

April 6, 2021

Permit Application No.: MVN-2010-00874 WKK

Attached is an application and drawings from **Cameron LNG**, requesting approval for conducting maintenance dredging operations of the Cameron LNG Terminal and beneficially placing approximately 5,702,656 cubic yards of dredged fill material in nearby areas for marsh creation, located in the community of Hackberry, Louisiana, in Cameron Parish. Approximately 72.1 acres of non-wetland waters would be temporarily impacted via dredging operations and 1,736 acres of marsh would be created via beneficial spoil placement.

The proposed work appears to be eligible under the **Individual Permit Mod (SP- Mod)**. Please review and comment on the subject proposal within **ten working days** so that we may consider your comments in our permit review.

We are also forwarding the attached PCN to the U.S. Fish and Wildlife Service and the National Marine Fisheries Service for review and comment concerning any project likely to affect any threatened or endangered species or destroy or adversely modify such species critical habitat.

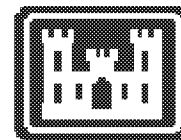
On March 29, 2021, the New Orleans District has determined that the proposed project is located in waters known to be utilized by the West Indian Manatee (*Trichechus manatus*) and determined that the proposed activity will not likely to adversely affect the manatee based on the Information & Planning Consultation (IPaC) for Endangered Species in Louisiana signed on January 27, 2020, between the U.S. Army Corps of Engineers, New Orleans and U.S. Fish and Wildlife Service, Ecological Services Office.



Louisiana Department of Natural
Resources
Office of Coastal Management
(OCM)

Joint Permit Application

For Work Within the Louisiana
Coastal Zone



U.S. Army Corps Of Engineers
(COE)
New Orleans District

[Print Application](#)

Permit Number: P20180301

Date Received: 02/02/2021

Step 1 of 15 - Applicant Information

**Applicant/Company
Name:**

Cameron LNG, LLC

Applicant Type: INDUSTRY/OIL AND GAS

Mailing Address:

PO Box 439
Hackberry, LA 70645

Contact Information:

Clayton Miller

Daytime:

337 680 4531

Fax:

Contact Email:

Step 2 of 15 - Agent Information

**Company
Name:**

T. BAKER SMITH, LLC

Mailing Address:

107 Global Circle
Lafayette, LA 70503

**Contact
Information:**

Brady Trahan

Daytime:

337 735 2800

Fax: 337 735 2850

Contact Email: brady.trahan@tbsmith.com

Step 3 of 15 - Permit Type

☒ Coastal Use Permit (CUP)

☐ Solicitation of Views (SOV)

☐ Request for Determination
(RFD)

Step 4 of 15 - Pre-Application Activity

a. Have you participated in a Pre-Application or Geological Review Meeting for the proposed project?☒ No☐ Yes**Date meeting was held:****Attendees:**

(Individual or Company Rep)

(OCM Representative)

(COE Representative)

b. Have you obtained an official wetland determination from the COE for the project site?☒ No☐ Yes**JD Number:****c. Is this application a mitigation plan for another CUP?**☒ No☐ Yes**OCM Permit Number:**

Step 5 of 15 - Project Information**a. Describe the project:**

Proposed maintenance dredging of the Cameron LNG (CLNG) terminal. The CLNG terminal consists of two (2) protected LNG ship berths that were originally dredged to a depth of 45 feet below Mean Low Tide (MLT) and one construction dock dredged to a depth of -12.0 (NAVD88). CLNG will need to conduct regular maintenance dredging to maintain the berthing and maneuvering areas to a minimum depth of 45 feet below MLT in order for LNG ships to operate in a safe and economical manner. For planning considerations CLNG anticipates that maintenance dredging will be required to remove, on average, approximately 700,000 cubic yards of dredge material through the course of one year. The estimated total amount of dredge material to be excavated during the life of the project will be approximately 3,500,000 cubic yards (700,000 per year). The maintenance dredging will be accomplished through the use of hydraulic cutter head dredge. A dredge disposal pipeline will be installed from the location of the dredging to the disposal areas. CLNG will utilize a similar pipeline discharge route to the route that was utilized during the construction of the terminal. The spoil will be hydraulically transported to several open water areas designated as Area B on the drawings. Containment levees will be constructed as necessary to contain the dredged material.

b. Is this application a change to an existing permit?☐ No☒ Yes**OCM Permit Number:** P20180301**Describe the changes to the project:**

03-FEB-20 Updated applicant's email address (js) 02-JAN-19 02-JAN-19 Updated Step 10 of application. 26-DEC-18 Upload plats with page 7 attached 20-SEP-18 20-SEPT-18 Revised step 10 of 15 and page 5 of plats 02-FEB-21 Revised plats to reflect additional spoil placement area

c. Have you previously applied for a permit or emergency authorization for all or any part of the proposed project?

☐ No ☒ Yes

	<u>Agency Name</u>	<u>Permit Number</u>	<u>Decision Status</u>	<u>Decision Date</u>
OCM	Matthew O'Neal	P20100398	Approved	08/10/2015
COE	James Little	MVN-2010-00874-WII	Approved	05/18?2016

Other

Step 6 of 15 - Project Location

a. Physical Location

Street: 301 Main Street,
 City: Hackberry Parish: CAMERON Zip: 70645
 Water Body: Calcasieu Ship Chanel

b. Latitude and Longitude

Latitude: 30 02 18 Longitude: -93 20 04

c. Section, Township, and Range

Section #: 43 Township #: 12S Range #: 09W
 Section #: Township #: Range #:

d. Lot, Tract, Parcel, or Subdivision Name

Lot #: Parcel #:
 Tract #: Subdivision Name:

e. Site Direction:

The CLNG terminal is located adjacent to LA State Hwy 27 approximately 2 miles south of the Gulf Intracoastal Waterway.

Step 7 of 15 - Adjacent Landowners

Adjacent Landowner : Lawton J. Company

Mailing Address: 1409 Kirkman Street
 Lake Charles, , LA 70601

Adjacent Landowner : Ellender Bridge LLC

Mailing Address: 1424 Ryan Street
Lake Charles, , LA 70602

Adjacent Landowner : Estate of Mason P. Erwin Heirs, et al

Mailing Address: PO Box 423
Lake Charles, , LA 70602

Adjacent Landowner : Hilcorp Energy LP

Mailing Address: 1201 Louisiana Street
Houston, , TX 77002

Adjacent Landowner : Joe Palermo

Mailing Address: 2713 Maplewood Drive
Sulphur, , LA 70663

Adjacent Landowner : Towerland Company

Mailing Address: 641 West Prien Lake Road
Lake Charles, , LA 70601

Adjacent Landowner : Lake Charles Harbor and Terminal District

Mailing Address: PO Box 3753
Lake Charles, , LA 70602

Adjacent Landowner : Crowe Property Investments, et al

Mailing Address: 4728 Cypress Landing
Lake Charles, , LA 70605

Step 8 of 15 - Project Specifics

a. **Project Name and/or Title:** Proposed Maintenance Dredging

b. **Project Type:** Non-Residential

c. **Source of Funding:** Private

d. **What will be done for the proposed project?**

- | | | | |
|--|--|--|--|
| <input type="checkbox"/> Bridge/Road | <input type="checkbox"/> Home Site/Driveway | <input checked="" type="checkbox"/> Pipeline/Flow Line | <input type="checkbox"/> Rip Rap/Erosion Control |
| <input type="checkbox"/> Bulkhead/Backfill | <input checked="" type="checkbox"/> Levee Construction | <input type="checkbox"/> Plug/Abandon | <input type="checkbox"/> Site Clearance |
| <input type="checkbox"/> Drainage Improvements | <input checked="" type="checkbox"/> Dredging | <input type="checkbox"/> Production Barge/Structure | <input type="checkbox"/> Subdivision |
| <input type="checkbox"/> Drill Barge/Structure | <input type="checkbox"/> Prop Washing | <input type="checkbox"/> Vegetative Plantings | <input type="checkbox"/> Wharf/Pier/Boathouse |
| <input type="checkbox"/> Drill Site | <input type="checkbox"/> Pilings | <input type="checkbox"/> Remove Structures | |

- ☐ Fill
 ☐ Marina
 ☐ Major Industrial/Commercial
- ☐ Other:

e. Why is the proposed project needed?

The project is needed to maintain the proper water depth for access to the Cameron LNG Terminal.

Step 9 of 15 - Project Status

a. Proposed project start date: 03/22/2018 **Proposed project completion date:** 03/22/2023

b. Is any of the project work in progress?

☐ No ☒ Yes

Maintenance dredging under the existing permit authorization has taken place on various years beginning in 2010.

c. Is any of the project work complete?

☒ No ☐ Yes

Step 10 of 15 - Structures, Materials, and Methods for the Proposed Project

a. Excavations

5,702,656 yd³

72.1 Acres

b. Fill Areas

5,702,656 yd³

1,736 Acres

c. Fill Materials

<input type="checkbox"/> Concrete:	yd ³	<input type="checkbox"/> Rock:	yd ³
<input type="checkbox"/> Crushed Stone or Gravel:	yd ³	<input type="checkbox"/> Sand:	yd ³
<input checked="" type="checkbox"/> Excavated and placed onsite:	5,702,656 yd ³	<input type="checkbox"/> Hauled in topsoil/Dirt:	yd ³
<input type="checkbox"/> Excavated and hauled offsite:	yd ³		
<input type="checkbox"/> Other:	yd ³		

d. What equipment will be used for the proposed project?

- | | | |
|---|--|--|
| <input checked="" type="checkbox"/> Airboat | <input checked="" type="checkbox"/> Bulldozer/Grader | <input checked="" type="checkbox"/> Marsh Buggy |
| <input type="checkbox"/> Backhoe | <input checked="" type="checkbox"/> Dragline/Excavator | <input type="checkbox"/> Other Tracked or Wheeled Vehicles |
| <input checked="" type="checkbox"/> Barge Mounted Bucket Dredge | <input type="checkbox"/> Handjet | <input type="checkbox"/> Self Propelled Pipe Laying Barge |
| <input type="checkbox"/> Barge Mounted Drilling Rig | <input type="checkbox"/> Land Based Drilling Rig | <input type="checkbox"/> Tugboat |
| <input checked="" type="checkbox"/> Other: Hydraulic Dredge | | |

Step 11 of 15 - Project Alternatives

a. Total acres of wetlands and/or waterbottoms filled and/or excavated.

724.73 acres

b. What alternative locations, methods, and access routes were considered to avoid impact to wetlands and/or waterbottoms?

The CLNG Terminal is an existing facility; therefore, no alternatives are available for the area of proposed dredging.

c. What efforts were made to minimize impact to wetlands and/or waterbottoms?

The dredging will be conducted by the use of a hydraulic dredge and the material will be transported to nearby areas in order to beneficially use the material to create marsh habitat.

d. How are unavoidable impacts to vegetated wetlands to be mitigated?

Spoil material will be used beneficially in a manner that is conducive to marsh creation. The project is not expected to adversely impact vegetated wetlands.

Step 12 of 15 - Permit Type and Owners

a. Are you applying for a Coastal Use Permit?

- ☐ No ☒ Yes

b. Are you the sole landowner/oyster lease holder?

- ☒ No ☐ Yes

☒ The applicant is an owner of the property on which the proposed described activity is to occur.

☒ The applicant has made reasonable effort to determine the identity and current address of the owner(s) of the land on which the proposed described activity is to occur, which included, a search of the public records of the parish in which the proposed activity is to occur.

☒

The applicant hereby attests that a copy of the application has been distributed to the following landowners/oyster lease holders.

Landowner/Oyster Lease
Holder: Towerland Company
Mailing Address: 641 West Prien Lake Road
City/State/Zip: Lake Charles LA 70601

Landowner/Oyster Lease
Holder: Lake Charles Harbor and Terminal District
Mailing Address: PO Box 3753
City/State/Zip: Lake Charles LA 70602

c. Does the project involve drilling, production, and/or storage of oil and gas?

☒ No

☐ Yes

Step 13 of 15 - Maps and Drawing Instructions

20201144 COE Part13.pdf	02/02/2021 07:46:08 AM
20201144 COE Part2.pdf	02/02/2021 07:46:29 AM
2018.0180 COE REV4a.pdf	12/26/2018 01:56:49 PM

Step 14 of 15 - Payment

The fee for this permit is: \$100.00

Step 15 of 15 - Payment Processed

Applicant Information

Applicant Name: Cameron LNG, LLC
Address: PO Box 439
City/State/Zip: Hackberry, LA 70645

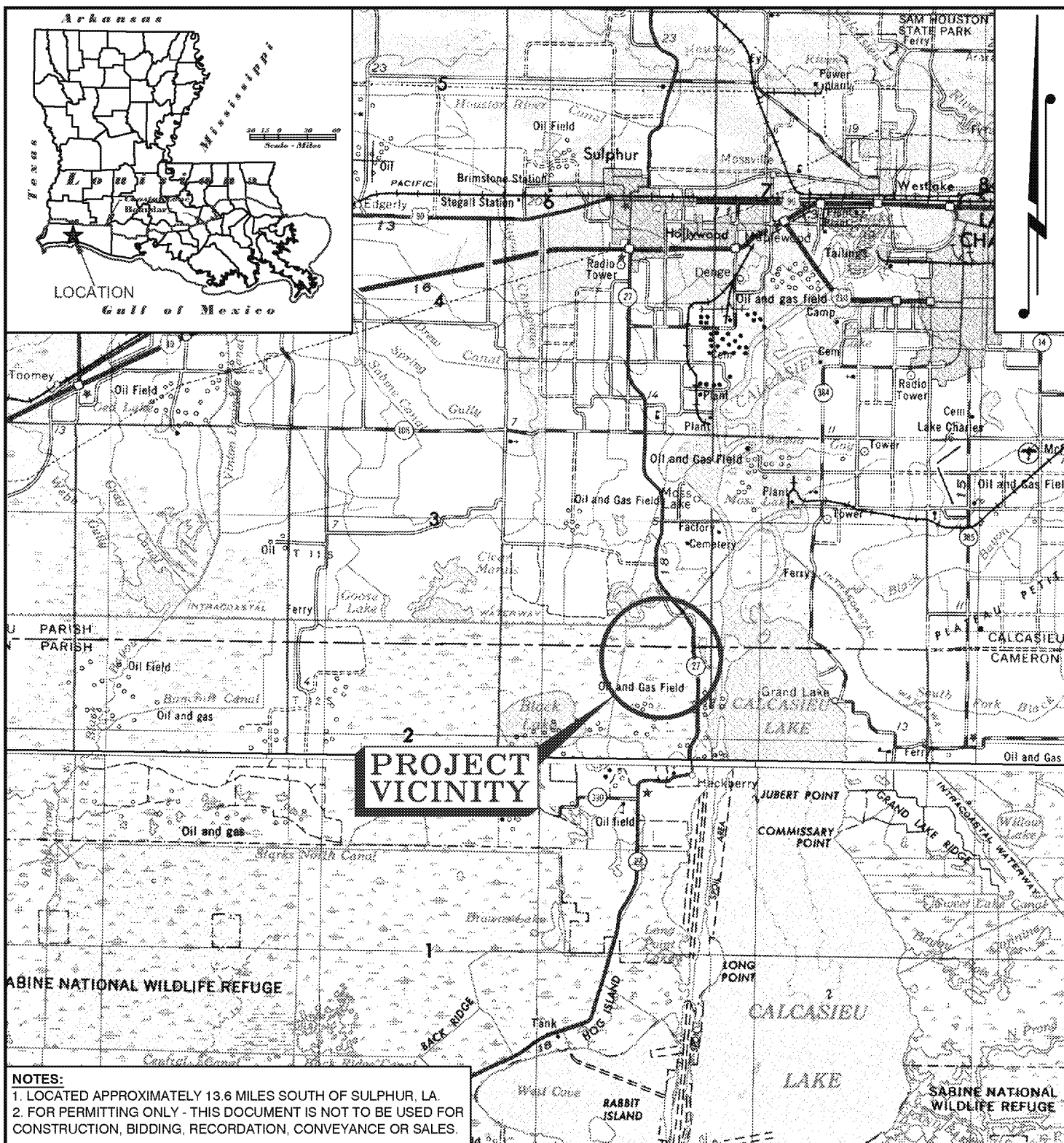
Application Information

Permit Type: CUP

To the best of my knowledge the proposed activity described in this permit application complies with, and will be conducted in a manner that is consistent with the Louisiana Coastal Resources Program. If applicable, I also certify that the declarations in Step 12c, oil spill response, are complete and accurate.

[View Comments related to this project](#)

1/25/2021 - P:\Y-2020\2020.1144\DWG\COE PERMIT MODIFICATION - DREDGE SPOIL PLACEMENT\20201144_C1.DWG



DRAWN BY:	RBT	APPROVED BY:	ADM
DATE:	01/25/2021	JOB NO:	2020.1144
DRAWING NAME:	20201144_C1.DWG		
SHEET NO:	1	OF	7
PROJECTION: LOUISIANA SOUTH GEO. DATUM: NAD83 VERT. DATUM: NAVD88 GRID UNITS: US SURVEY FEET			
SCALE: 1" = 4 MILES			
4 MI 2 MI 0' 4 MI			



T. BAKER SMITH
SOLUTIONS STAY HERE
107 Global Circle, Lakeview, LA 70503
(337) 746-2500 - tbsmith.com

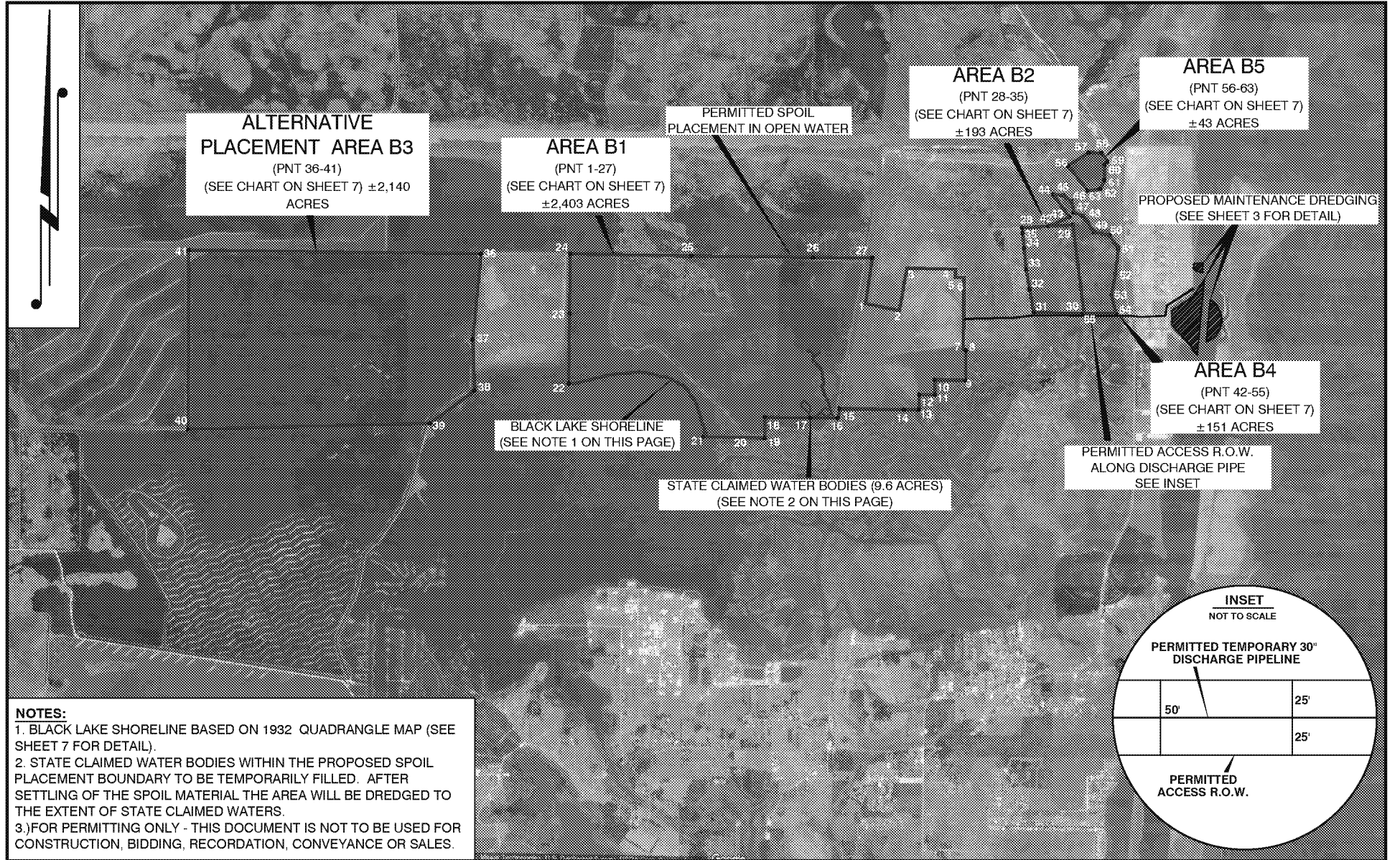
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REVISION DESCRIPTION:					
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VICINITY MAP

CAMERON LNG, LLC
AMENDED SPOIL DISPOSAL SITES FROM P20180301
CAMERON LNG TERMINAL
HACKBERRY AREA
CAMERON & CALCASIEU PARISHES,
LOUISIANA

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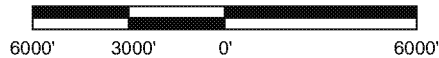
1/25/2021 - P:\1-2020\2020.1144\DWG\COE PERMIT MODIFICATION - DREDGE SPOIL PLACEMENT\20201144_C2.DWG



NOTES:

1. BLACK LAKE SHORELINE BASED ON 1932 QUADRANGLE MAP (SEE SHEET 7 FOR DETAIL).
2. STATE CLAIMED WATER BODIES WITHIN THE PROPOSED SPOIL PLACEMENT BOUNDARY TO BE TEMPORARILY FILLED. AFTER SETTLING OF THE SPOIL MATERIAL THE AREA WILL BE DREDGED TO THE EXTENT OF STATE CLAIMED WATERS.
- 3.)FOR PERMITTING ONLY - THIS DOCUMENT IS NOT TO BE USED FOR CONSTRUCTION, BIDDING, RECORDATION, CONVEYANCE OR SALES.

SCALE: 1" = 6000'



REV. NO: -- REV. DATE: --/--/--- REV. BY: --

DRAWN BY: RBT APPROVED BY: ADM

DATE: 01/25/2021 JOB NO: 2020.1144

DRAWING NAME: 20201144_C2.DWG

SHEET NO: 2 OF 7

PROJECTION: LOUISIANA SOUTH
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

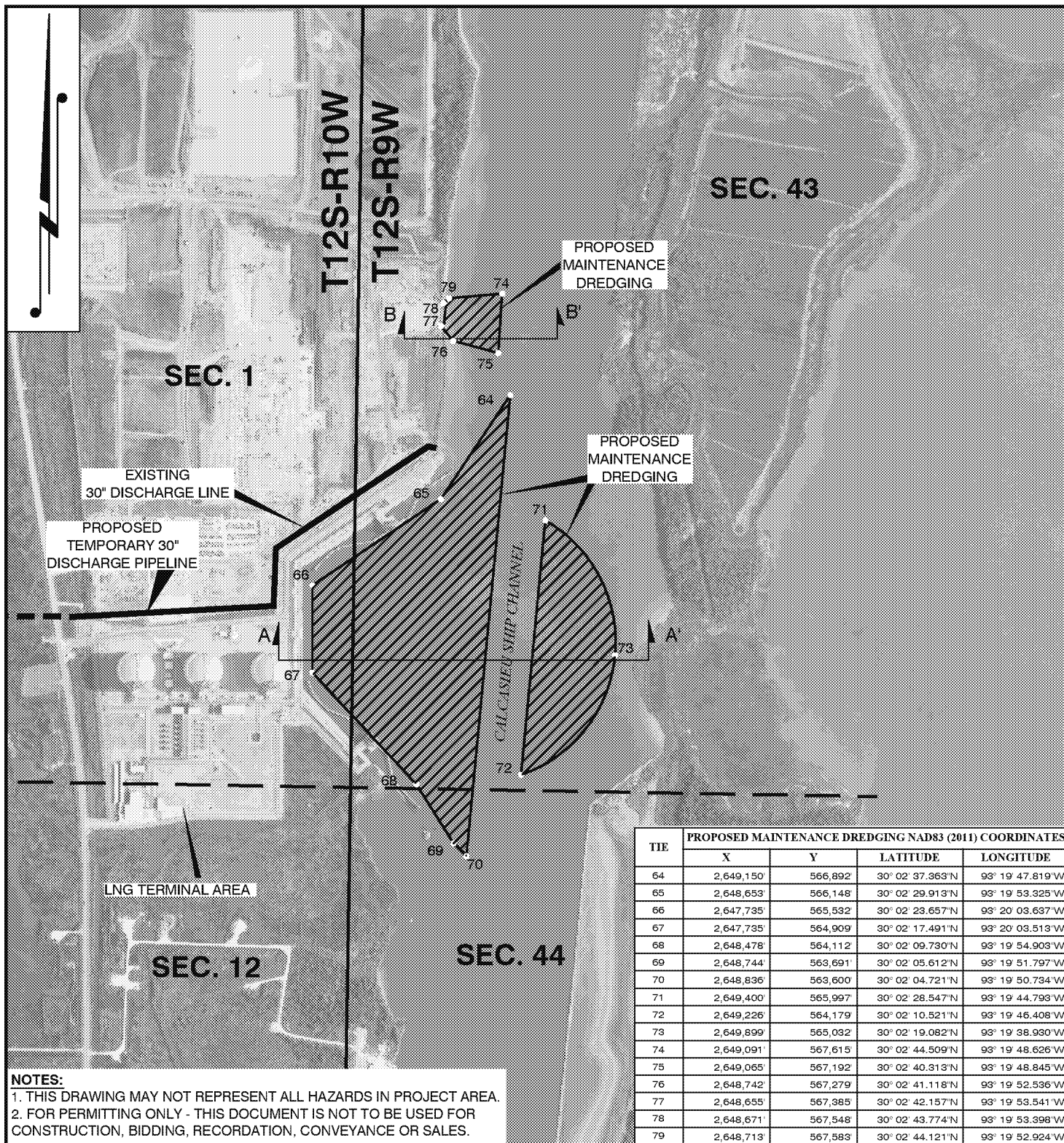
REVISION DESCRIPTION:

AREA MAP

CAMERON LNG, LLC
AMENDED SPOIL DISPOSAL SITES FROM P20180301
CAMERON LNG TERMINAL
HACKBERRY AREA
CAMERON & CALCASIEU PARISHES,
LOUISIANA

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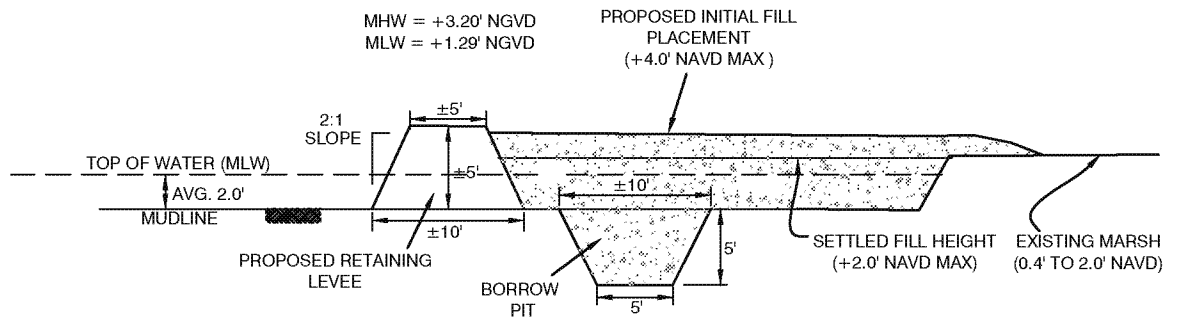
TIE	PROPOSED MAINTENANCE DREDGING NAD83 (2011) COORDINATES			
	X	Y	LATITUDE	LONGITUDE
64	2,649,150'	566,892	30° 02' 37.363"N	93° 19' 47.819"W
65	2,648,653'	566,148	30° 02' 29.913"N	93° 19' 53.325"W
66	2,647,735'	565,532	30° 02' 23.657"N	93° 20' 03.637"W
67	2,647,735'	564,909	30° 02' 17.491"N	93° 20' 03.513"W
68	2,648,478'	564,112	30° 02' 09.730"N	93° 19' 54.903"W
69	2,648,744'	563,691	30° 02' 05.612"N	93° 19' 51.797"W
70	2,648,836'	563,600	30° 02' 04.721"N	93° 19' 50.734"W
71	2,649,400'	565,997	30° 02' 28.547"N	93° 19' 44.793"W
72	2,649,226'	564,179	30° 02' 10.521"N	93° 19' 46.408"W
73	2,649,899'	565,032	30° 02' 19.082"N	93° 19' 38.930"W
74	2,649,091'	567,615	30° 02' 44.509"N	93° 19' 48.626"W
75	2,649,065'	567,192	30° 02' 40.313"N	93° 19' 48.845"W
76	2,648,742'	567,279	30° 02' 41.118"N	93° 19' 52.536"W
77	2,648,655'	567,385	30° 02' 42.157"N	93° 19' 53.541"W
78	2,648,671'	567,548	30° 02' 43.774"N	93° 19' 53.398"W
79	2,648,713'	567,583	30° 02' 44.121"N	93° 19' 52.924"W

NOTES:

1. THIS DRAWING MAY NOT REPRESENT ALL HAZARDS IN PROJECT AREA.
2. FOR PERMITTING ONLY - THIS DOCUMENT IS NOT TO BE USED FOR CONSTRUCTION, BIDDING, RECORDATION, CONVEYANCE OR SALES.

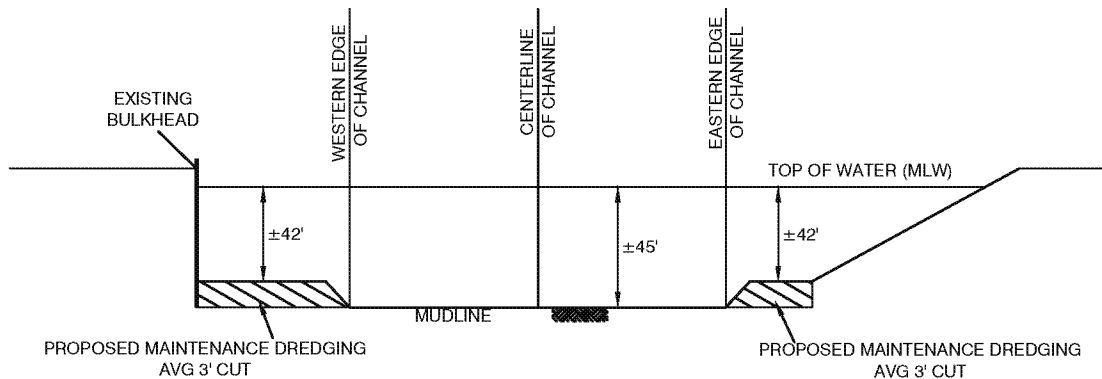
DRAWN BY: RRB		APPROVED BY: ADM		PLAN VIEW CAMERON LNG, LLC AMENDED PROPOSED MAINTENANCE DREDGING PLAN CAMERON LNG TERMINAL HACKBERRY AREA CAMERON & CALCASIEU PARISHES, LOUISIANA							
DATE: 01/25/2021		JOB NO: 2020.1144									
DRAWING NAME: 20201144_C3.DWG											
SHEET NO: 3 OF 7											
PROJECTION: LOUISIANA SOUTH GEO. DATUM: NAD83 VERT. DATUM: NAVD88 GRID UNITS: US SURVEY FEET				<table><tr><td>REV. NO:</td><td>REV. DATE:</td><td>REV. BY:</td></tr><tr><td colspan="3">REVISION DESCRIPTION:</td></tr></table>		REV. NO:	REV. DATE:	REV. BY:	REVISION DESCRIPTION:		
REV. NO:	REV. DATE:	REV. BY:									
REVISION DESCRIPTION:											
SCALE: 1" = 1000'											

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**TYPICAL RETAINING LEVEE TO SERVE PROPOSED
SPOIL PLACEMENT AREAS IN OPEN WATER**
NOT TO SCALE

SPOIL MATERIAL WILL BE PLACED
IN A MANNER CONDUCTIVE TO
MARSH ESTABLISHMENT.



**CROSS-SECTION A-A' PERMITTED
MAINTENANCE DREDGING**
NOT TO SCALE

NOTE:

1.)FOR PERMITTING ONLY - THIS DOCUMENT IS NOT TO BE USED FOR
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DATE:	01/25/2021	JOB NO:	2020.1144
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SHEET NO:	4	OF	7
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NOT TO SCALE

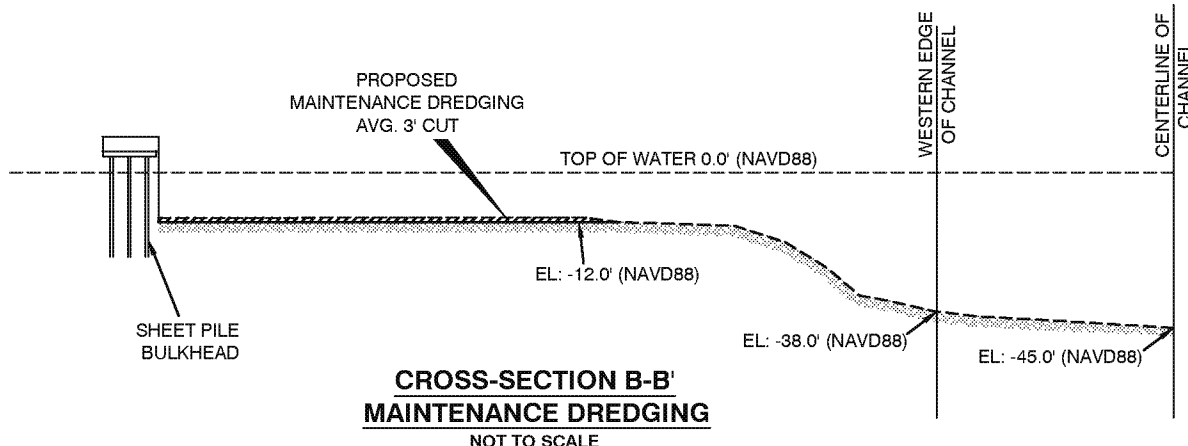


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REVISION DESCRIPTION:		

TYPICALS & CROSS-SECTIONS

CAMERON LNG, LLC
AMENDED PROPOSED MAINTENANCE DREDGING PLAN
CAMERON LNG TERMINAL
HACKBERRY AREA
CAMERON & CALCASIEU PARISHES,
LOUISIANA



CALCULATIONS:

LEVEES WILL BE BUILT/REBUILT AS NEEDED IN AREAS SO AS NOT TO IMPACT EXISTING MARSH TO THE MAXIMUM EXTENT PRACTICABLE.

APPROX. 5,600,000 CU YDS (700,000 PER YEAR) OF MATERIAL TO BE DISPLACED DUE TO MAINTENANCE DREDGING OVER THE COURSE OF THE PERMIT AUTHORIZATION AND 3 YEAR PERMIT EXTENSION.

UP TO APPROX. 12,832 CU YDS OF MATERIAL (PER DREDGE CYCLE) MAY BE DISPLACED BY LEVEE CONSTRUCTION.

APPROX. 72.1 ACRE AREA TO BE AFFECTED DUE TO PROPOSED MAINTENANCE DREDGING OF THE MARINE BERTH.

APPROX. 1,736 ACRES OF MARSH TO BE CREATED FROM THE BENEFICIAL PLACEMENT OF DREDGING MATERIAL.

COASTAL NOTES:

ALL STRUCTURES, FACILITIES, WELLS AND PIPELINES/FLOWLINES OCCURRING IN OPEN WATER AREAS, OR IN OILFIELD CANALS, OR SLIPS SHALL BE REMOVED WITHIN 120 DAYS OF ABANDONMENT OF THE FACILITIES FOR THE HEREIN PERMITTED USE, UNLESS PRIOR WRITTEN APPROVAL TO LEAVE SUCH STRUCTURES IN PLACE IS RECEIVED FROM THE COASTAL MANAGEMENT DIVISION. THIS CONDITION DOES NOT PRECLUDE THE NECESSITY FOR REVISING THE CURRENT PERMIT OR OBTAINING A SEPARATE COASTAL USE PERMIT, SHOULD ONE BE REQUIRED FOR SUCH ACTIVITIES.


AS-BUILT DRAWINGS SHALL BE SUBMITTED, IF REQUIRED, WITHIN 30 DAYS OF COMPLETION OF THIS PROJECT TO THE LOUISIANA DEPARTMENT OF NATURAL RESOURCES, COASTAL MANAGEMENT DIVISION AND OFFICE OF CONSERVATION, PIPELINE SAFETY DIVISION, POST OFFICE BOX 44487, BATON ROUGE, LA 70804-4487.

IN ORDER TO ENSURE THE SAFETY OF ALL PARTIES, THE PERMITTEE SHALL CONTACT LOUISIANA ONE CALL (1-800-272-3020) A MINIMUM OF 96 HOURS PRIOR TO THE COMMENCEMENT OF ANY EXCAVATION (DIGGING, DREDGING, JETTING, ETC.) OR DEMOLITION ACTIVITY.

ALL STRUCTURES WILL BE MARKED AND LIGHTED IN ACCORDANCE WITH U.S. COAST GUARD REGULATIONS.

NOTE:

1.)FOR PERMITTING ONLY - THIS DOCUMENT IS NOT TO BE USED FOR CONSTRUCTION, BIDDING, RECORDATION, CONVEYANCE OR SALES.

DRAWN BY: RRB		APPROVED BY: ADM		CROSS-SECTION, CALCULATIONS, & NOTES CAMERON LNG, LLC AMENDED PROPOSED MAINTENANCE DREDGING PLAN CAMERON LNG TERMINAL HACKBERRY AREA CAMERON & CALCASIEU PARISHES, LOUISIANA	
DATE: 01/25/2021		JOB NO: 2020.1144			
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NOT TO SCALE				 T. BAKER SMITH SOLUTIONS STAY HERE 107 Global Circle, Lakeview, LA 70503 (337)736-2800 - tbsmith.com	

SPOIL DEPOSIT BOUNDARY CHARTS LA-SOUTH NAD 83 (2011)

TIE	AREA B1 NAD83(2011) LOUISIANA SOUTH COORDINATES			
	X	Y	LATITUDE	LONGITUDE
1	2,634,405	565,840	30° 02' 24.377"N	93° 22' 35.343"W
2	2,635,877	565,537	30° 02' 21.632"N	93° 22' 18.544"W
3	2,636,209	567,389	30° 02' 40.022"N	93° 22' 15.134"W
4	2,638,312	567,335	30° 02' 39.860"N	93° 21' 51.204"W
5	2,638,312	566,964	30° 02' 36.192"N	93° 21' 51.129"W
6	2,638,669	566,964	30° 02' 36.254"N	93° 21' 47.068"W
7	2,638,648	563,823	30° 02' 05.159"N	93° 21' 46.674"W
8	2,638,765	563,821	30° 02' 05.162"N	93° 21' 45.338"W
9	2,638,745	562,500	30° 01' 52.085"N	93° 21' 45.296"W
10	2,637,423	562,531	30° 01' 52.160"N	93° 22' 00.339"W
11	2,637,414	561,871	30° 01' 45.626"N	93° 22' 00.312"W
12	2,636,742	561,881	30° 01' 45.606"N	93° 22' 07.964"W
13	2,636,732	561,221	30° 01' 39.073"N	93° 22' 07.935"W
14	2,636,060	561,231	30° 01' 39.052"N	93° 22' 15.585"W
15	2,633,277	561,272	30° 01' 38.967"N	93° 22' 47.251"W
16	2,633,196	560,853	30° 01' 34.807"N	93° 22' 48.088"W
17	2,632,021	560,871	30° 01' 34.770"N	93° 23' 01.454"W
18	2,630,021	560,900	30° 01' 34.707"N	93° 23' 24.206"W
19	2,630,011	560,000	30° 01' 25.798"N	93° 23' 24.144"W
20	2,629,175	560,013	30° 01' 25.771"N	93° 23' 33.654"W
21	2,627,341	560,040	30° 01' 25.712"N	93° 23' 54.515"W
22	2,621,484	562,348	30° 01' 47.505"N	93° 25' 01.614"W
23	2,621,519	565,406	30° 02' 17.782"N	93° 25' 01.847"W
24	2,621,549	568,001	30° 02' 43.475"N	93° 25' 02.045"W
25	2,626,822	567,919	30° 02' 43.609"N	93° 24' 02.031"W
26	2,632,104	567,858	30° 02' 43.938"N	93° 23' 01.932"W
27	2,634,699	567,827	30° 02' 44.098"N	93° 22' 32.400"W

TIE	AREA B2 NAD83(2011) LOUISIANA SOUTH COORDINATES			
	X	Y	LATITUDE	LONGITUDE
28	2,641,208	569,141	30° 02' 58.244"N	93° 21' 18.614"W
29	2,643,423	569,263	30° 02' 59.833"N	93° 20' 53.442"W
30	2,643,910	565,416	30° 02' 21.844"N	93° 20' 47.126"W
31	2,641,717	565,463	30° 02' 21.931"N	93° 21' 12.087"W
32	2,641,541	566,474	30° 02' 31.900"N	93° 21' 14.292"W
33	2,641,395	567,330	30° 02' 40.352"N	93° 21' 16.123"W
34	2,641,300	568,269	30° 02' 49.625"N	93° 21' 17.397"W
35	2,641,236	568,908	30° 02' 55.945"N	93° 21' 18.255"W

TIE	AREA B3 NAD83(2011) LOUISIANA SOUTH COORDINATES			
	X	Y	LATITUDE	LONGITUDE
36	2,617,672	568,016	30° 02' 42.925"N	93° 25' 46.148"W
37	2,617,315	564,281	30° 02' 05.893"N	93° 25' 49.430"W
38	2,617,395	562,044	30° 01' 43.758"N	93° 25' 48.060"W
39	2,615,427	560,631	30° 01' 29.422"N	93° 26' 10.152"W
40	2,604,923	560,367	30° 01' 24.881"N	93° 28' 09.573"W
41	2,604,952	568,164	30° 02' 42.062"N	93° 28' 10.894"W

TIE	AREA B4 NAD83(2011) LOUISIANA SOUTH COORDINATES			
	X	Y	LATITUDE	LONGITUDE
42	2,642,371	569,205	30° 02' 59.078"N	93° 21' 05.397"W
43	2,643,265	569,605	30° 03' 03.192"N	93° 20' 55.307"W
44	2,642,581	570,582	30° 03' 12.748"N	93° 21' 03.286"W
45	2,642,998	570,557	30° 03' 12.570"N	93° 20' 58.537"W
46	2,643,370	570,293	30° 03' 10.024"N	93° 20' 54.256"W
47	2,643,468	569,803	30° 03' 05.185"N	93° 20' 53.034"W
48	2,643,868	569,659	30° 03' 03.835"N	93° 20' 48.454"W
49	2,644,361	568,948	30° 02' 56.882"N	93° 20' 42.707"W
50	2,644,996	568,815	30° 02' 55.673"N	93° 20' 35.450"W
51	2,645,405	568,242	30° 02' 50.071"N	93° 20' 30.686"W
52	2,645,278	567,131	30° 02' 39.058"N	93° 20' 31.907"W
53	2,645,104	566,207	30° 02' 29.883"N	93° 20' 33.704"W
54	2,645,300	565,412	30° 02' 22.042"N	93° 20' 31.314"W
55	2,643,910	565,416	30° 02' 21.844"N	93° 20' 47.126"W

TIE	AREA B5 NAD83(2011) LOUISIANA SOUTH COORDINATES			
	X	Y	LATITUDE	LONGITUDE
56	2,643,214	571,838	30° 03' 25.287"N	93° 20' 56.336"W
57	2,644,110	572,416	30° 03' 31.159"N	93° 20' 46.250"W
58	2,644,667	572,399	30° 03' 31.087"N	93° 20' 39.918"W
59	2,644,927	572,017	30° 03' 27.358"N	93° 20' 36.874"W
60	2,644,797	571,883	30° 03' 26.005"N	93° 20' 38.326"W
61	2,644,788	571,201	30° 03' 19.255"N	93° 20' 38.300"W
62	2,644,629	570,822	30° 03' 15.481"N	93° 20' 40.027"W
63	2,644,073	570,755	30° 03' 14.716"N	93° 20' 46.348"W

NOTE:

1.)FOR PERMITTING ONLY - THIS DOCUMENT IS NOT TO BE USED FOR CONSTRUCTION, BIDDING, RECORDATION, CONVEYANCE OR SALES.

	ACRES OF WETLAND IMPACTS		
	MARSH	OPEN WATER	TOTAL
AREA B1	23	2,980	2,403
AREA B2	5	188	193
AREA B3	4	2,136	2,140
AREA B4	50	101	151
AREA B5	0	43	43

DRAWN BY: RRB APPROVED BY: ADM

DATE: 01/25/2021 JOB NO: 2020.1144

DRAWING NAME: 20201144_C3.DWG

SHEET NO: 6 OF 7

PROJECTION: LOUISIANA SOUTH
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

NOT TO SCALE



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REV. NO:

REV. DATE:

REV. BY:

REVISION DESCRIPTION:

CHARTS

CAMERON LNG, LLC
AMENDED PROPOSED MAINTENANCE DREDGING PLAN
CAMERON LNG TERMINAL
HACKBERRY AREA
CAMERON & CALCASIEU PARISHES,
LOUISIANA

1/25/2021 - P:\Y-2020\2020.1144\DWG\COE PERMIT MODIFICATION - DREDGE SPOIL PLACEMENT\20201144_C4.DWG

NOTES:

1. BLACK LAKE SHORELINE BASED ON 1932 QUADRANGLE MAP.
2. STATE CLAIMED WATER BODIES WITHIN THE PROPOSED SPOIL PLACEMENT BOUNDARY TO BE TEMPORARILY FILLED. AFTER SETTLING OF THE SPOIL MATERIAL THE AREA WILL BE DREDGED TO THE EXTENT OF STATE CLAIMED WATERS.
- 3.)FOR PERMITTING ONLY - THIS DOCUMENT IS NOT TO BE USED FOR CONSTRUCTION, BIDDING, RECORDATION, CONVEYANCE OR SALES.

PERMITTED SPOIL PLACEMENT IN
OPEN WATER

AREA B1
(PNT 1-27)
(SEE CHART ON SHEET 6)

BLACK LAKE SHORELINE
SEE NOTE #1 ON THIS SHEET

AREA MAP

CAMERON LNG, LLC

AMENDED PROPOSED MAINTENANCE DREDGING PLAN

CAMERON LNG TERMINAL

HACKBERRY AREA

**CAMERON & CALCASIEU PARISHES,
LOUISIANA**

DRAWN BY: RRB APPROVED BY: ADM

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SHEET NO: 7 OF 7

PROJECTION: LOUISIANA SOUTH
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